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There are 10 photographs, 2 maps, 1 table (on the morphogenetic types of Kazakh iron ore deposits), and numerous Soviet references in the text.

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AKHMEDSAFIN, U.M.

Underground waters in the arid regions of Kazakhstan and measures for utilizing them in the water supply and irrigation of pastures and oases. Vest. AN Kazakh. SSR 13 no.4:14-24 Ap '57.(MLRA 10:6)

1. Akademik Akademii nauk Kazakhskoy SSR.
(Kazakhstan--Water, Underground)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

SATPAYEV, K.I.; BORUKAYEV, R.A.; AKHMEDSAFIN, U.M.; BOK, I.I.; KUSHEV, G.L.; SERGIYEV, N.G.; SHLYGIN, Ye.D.; SHCHERBA, G.N.; MONICH, V.K.; LOMONOVICH, I.I.; LAVROV, V.V.; MEDOYEV, G.TS.; NOVOKHATSKIY, I.P.; BARBOT-DE-MARNI, A.V.; GALITSKIY, V.V.; KOLOTILIN, N.F.; ZHILINSKIY, G.B.; KAYUPOV, A.K.; KAZANLI, D.N .; SATPAYEVA, T.A.; ABDULKABIROVA, M.A.; GAZIZOVA, K.S.; VEYTS, B.I.; KHAYRUTDINOV, D.Kh.; MUKHAMEDZHANOV, S.M.; CHOLPANKULOV, T.Ch.; PARSHIN, A.V.; TAZHIBAYEVA, P.T.; YANULOVA, M.K.; BYKOVA, M.S.; VOLKOV, A.N.; BOLGOV, G.N.; MITRYAYEVA, N.M.; CHOKABAYEV, S.Ye.; KUNAYEV, D.S.; YARENSKAYA, M.A.; REBROVA, T.I.

Tireless explorer of the depths of the earth's crust; on the 65th birthday and 40th anniversary of the scientific engineering activities of Academician M.P. Rusakov. Vest. AN Kazakh. SSR 13 no.12:96-97 D '57. (MIRA 11:1)

(Rusakov, Mikhail Petrovich, 1892-)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDSAFIN, U.M., akad., red.; OSADCHIY, F.Ya., red.; RORORINA, Z.P., tekhn.red.

[Hydrogeological accounts of virgin lands; Aktyubinsk, Kokchetav and North Kazakhstan provinces] Gidrogeologicheskie ocherki tselinnykh zemel'; Aktiubinskoi, Kokchetavskoi i Severo-Kazakhstanskoi oblastei. Alma-Ata, 1958. 209 p. (MIRA 11:11)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut geologicheskikh nauk.
2. Akademiya nauk KazSSR (for Akhmedsafin).
(Aktyubinsk Province--Water, Underground)
(Kokchetav Province--Water, Underground)
(North Kazakhstan Province--Water, Underground)

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AVROV, P.Ya.; AYTALIYEV, Zh. A.; AUEZOV, M.O.; AKHMEDSAFIN, U.M.; BATISHCHEV-TARASOV, S.D.; BAZANOVA, N.U.; BAISHEV, S.B.; BAYKONUROV, A.B.; BEKTUROV, A.B.; BOGATYREV, A.S.; BOK, I.I.; BORUKAYEV, R.A.; BUBLICHENKO, N.L.; BYKOVA, M.S.; ZHILINSKIY, G.B.; ZYKOV, D.A.; IVANKIN, P.F.; KAZANLI, D.N.; KAYUPOV, A.K.; KENESBAYEV, S.K.; KOLOTILIN, N.F.; KUNAYEV, D.A.; KUSHEV, G.L.; [illegible], V.V.; MASHANOV, O.Zh.; MEDOYEV, G.TS.; MONICH, V.K.; MUKANOV, S.; MUSREPOV, G.; MUKHAMEDZHANOV, S.M.; PARSHIN, A.V.; POKROVSKIY, S.N.; POLOSUKHIN, A.P.; RUSAKOV, M.P.; SERGIYEV, N.G.; SAYFULLIN, S.Sh.; TAZHIBAYEV, P.T.; FESENKOV, V.G.; SHLYGIN, Ye.D.; SHCHERBA, G.N.; CHOKIN, Sh.Ch.; CHOLPANKULOV, T.Ch.

Sixtieth birthday of Academician Kanysh Imantaevich Satpaev. Vest. AN Kazakh. SSR 15 no.4:58-61 Ap '59. (MIRA 12:7)
(Satpaev, Kanysh Imantaevich, 1899-)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDSAFIN, U.M., akademik

Methods involved in compiling a hydrogeological map of Kazakhstan. Vest.AN Kazakh.SSR 16 no.5:27-32 My '60. (MIRA 13:7)

1. Akademiya nauk KazSSR.
(Kazakhstan--Water, Undergroung--Maps)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4"

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SATPAYEV, K.I.; POLOSUKHIN, A.P.; BAISHEV, S.B.; CHOKIN, Sh.Ch.; BORUKAYEV, R.A.; AKHMEDSAFIN, U.M.; KUSHEV, G.L.; SHCHERBA, G.N.; MONICH, V.K.; MEDOYEV, G.TS.; LAVROV, V.V.; BARBOT-DE-MARNI, A.V.; GALITSKIY, V.V.; ZHILINSKIY, G.B.; KAYUPOV, A.K.; KAZANLI, D.N.; KOLOTILIN, N.F.; MUKHAMEDZHANOV, S.M.; SATPAYEVA, T.A.; VEYTS, B.I.; GAZIZOVA, K.S.; CHOLPANKULOV, T.Ch.; PARSHIN, A.V.; BYKOVA, M.S.; MITRYAYEVA, N.M.; VOLKOV, A.N.; CHAKABAYEV, S.Ye.; YARENSKAYA, M.A.; KHAYRUTDINOV, D.Kh.

On the 60th anniversary of the birth of I.I. Bok, Academician of the Academy of the Kazakh S.S.R. Vest.AN Kazakh.SSR 14 no.10:95-96 O '58. (MIRA 11:12)

(Bok, Ivan Ivanovich, 1898-)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

KOLOTILIN, Nikolay Fedotovich; AKHMEDSAFIN, U.M., prof., doktor geologo-mineralog. nauk, akademik, otv. red.; RZHONDKOVSKAYA, L.S., red.; ALFEROVA, P.F., tekhn. red.

[Deformation of hillsides and sea cliffs in seismic and mudflow areas of southeastern Kazakhstan] Deformatsii gornykh i beregovykh sklonov v usloviiakh seismicheskikh i selevykh raionov IUgo-Vostochnogo Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1961. 154 p. (MIRA 14:7)

1. Akademiya nauk Kazakhskoy SSR (for Akhmedsafin)
(Kazakhstan--Geodynamics)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDSAFIN, Ufa Mendbayevich; POGOZHEV, A.S., red.; ALFEROVA, P.F., tekhn. red.

[Methodology of drawing up forecasting maps, and survey of the artesian basins of Kazakhstan] Metodika sostavleniia kart prognozov i obzor artezianskikh basseinov Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1961. 106 p. (MIRA 15:4)
(Kazakhstan--Water, Underground)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDSAFIN, U.M.; DAL'YAN, I.B.; SYDYKOV, Zh. S.

Artesian waters in the eastern Aral Sea region and conditions of their formation. Izv. AN Kazakh. SSR. Ser. geol. no.2:86-95 '61. (MIRA 14:7)

(Aral Sea region—Water, Underground)

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AKHMEDSAFIN, U.M.; SYDYKOV, Zh.

Modification of M.G.Kurlov's formula. Gidrokhim.mat. 34:164-165 '61. (MIRA 15:2)

1. Institut geologicheskikh nauk AN Kazakhskoy SSR, g. Alma-Ata.
(Water--Composition)

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AKHMEDSAFIN, U.M., akademik

Principal results of studying underground waters of the Virgin Territory and outlook for rural water supply. Vest. AN Kazakh.SSR 18 no.1:15-27 Ja '62. (MIRA 15:2)

1. Akademiya nauk Kazakhskoy SSR.
(Virgin Territory--Water, Underground)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDSAFIN, Ufa M.

"Underground reserviors and prospects for their utilization"

report to be submitted for the United Nations Conference on the Application of Science and Technology for the Benefit of the Less Developed Areas - Geneva, Switzerland, 4-20 Feb 63.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

CHOKIN, Sh.Ch., otv. red.; AKHMEDSAFIN, U.M., red.; MAYZEL', S.Ya., red.; OSORGIN, A.V., red.; ZHUKOVA, N.D., red.; SEMENOV, M.N., red.; ALFEROVA, P.F., tekhn. red.

[Productive forces of central Kazakhstan]Proizvoditel'nye sily TSentral'nogo Kazakhstana; trudy sessii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol.5.[Power engineering, water supply engineering, construction, and transportation]Energetika i vodnoe khoziaistvo, stroitel'stvo i transport. 1959. 257 p. (MIRA 15:12)

1. Ob"yedinennaya nauchnaya sessiya po problemam razvitiya proizvoditel'nykh sil TSentral'nogo Kazakhstana, Karaganda, 1958. 2. Institut energetiki Akademii nauk Kazakhskoy SSR (for Mayzel'). 3. Akademiya nauk Kazakhskoy SSR (for Chokin). 4. Institut geologicheskikh nauk Akademii nauk Kazakhskoy SSR (for Akhmedsafin). 5. Institut ekonomiki Akademii nauk Kazakhskoy SSR (for Osorgin).

(Kazakhstan--Water supply engineering)
(Kazakhstan--Construction industry)
(Kazakhstan--Transportation)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDSAFIN, U.M., akademik

Prognostic maps of artesian and ground waters of Kazakhstan. Vest. AN SSSR 33 no.10:47-51 O '63. (MIRA 16:11)

1. AN Kazakhskoy SSR, Institut geologicheskikh nauk AN Kazakhskoy SSR.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDSAFIN, U.M., akademik, otv. red.; RZHONDKOVSKAYA, L.S., red.; KOVALEVA, I.F., red.; SUVOROVA, R.I., red.

[Hydrogeological regionalization and the regional evaluation of the resources of underground waters in Kazakhstan] Gidrogeologicheskoe raionirovanie i regional'naia otsenka resursov podzemnykh vod Kazakhstana. Alma-Ata, Nauka, 1964. 306 p. (MIRA 18:2)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut geologicheskikh nauk. 2. AN Kazakhskoy SSR (for Akhmedsafin).

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L 48490-65 EWT(1)/FCC/EEC(t)/EWA(h) Pe-5/Pab/Pi-4 GW

ACCESSION NR: AP5009498 S/0030/65/000/003/0128/0150

AUTHORS: Vinogradov, A. P. (Academician); Gerasimov, I. P. (Academician); Yanshin, A. L. (Academician); Shcherbakov, D. I. (Academician); Fayvs, A. V. (Academician); Sadovskiy, M. A. (Corresponding member AN SSSR); Akhmedsafin, U. M. (Academician AN KazSSR); Zaytsev, L. P. (Candidate of physico-mathematical sciences); Ovchinnikov, I. M.

TITLE: Development of earth sciences in Central Asia and in Kazakhstan (Results of a field trip of the Department of Earth Sciences)

SOURCE: AN SSSR. Vestnik, no. 3, 1965, 128-150

TOPIC TAGS: geoactivity, geochemistry, geochronological problem, geochronology, geodesy, geography, geological survey, geology, geomagnetism, geophysical prospecting, geophysical research, geophysics

ABSTRACT: The Presidium of the Academy of Sciences, SSSR heard the report of academician A. P. Vinogradov, secretary of the Department of Earth Sciences, at the session held on January 15. The speaker presented the results of the department's trip (Oct. 1-11, 1964), organized by the Academies of Sciences of Kazakhstan, Kirghiziya, Tadzhikistan, Turkmenistan, and Uzbekistan, and the

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State Geological Committee SSSR. Establishing direct relations with the above academies was the immediate goal of the trip. The symposium on seismology (held in Tashkent) was reported on by M. A. Sadovskiy. The problems in this field were divided into three groups: 1) internal structure of the earth's crust and sedimentary mantle revealed by data obtained by different branches of the geoscience; 2) relation among different earthquake sources; 3) protection of the population and national economy from earthquake damage. It was recommended that a special service dealing with the earthquake forecasts be organized. Achievements of the symposium on hydrology were reported by U. M. Akhmedsafin, B. I. Kudelin (Moscow University) presented a paper on the drainage and renewal of ground water. U. M. Akhmedsafin spoke on the study of artesian basins in Kazakhstan. N. A. Kenesarin (Uzbek Institute of Hydrology and Engineering Geology) discussed the principal problems of theoretical hydrology. Zh. S. Sadykov (Academy of Sciences, Kazakh SSR) spoke on the seepage effect of underground brines and its meaning in the interpretation of ore-formation processes. G. A. Maylyanov presented an engineering-geological map of the arid Uzbekistan. V. G. Gafurov discussed irrigation principles and the forecast of hydrogeodynamic processes taking place in the irrigated areas. A. L. Yanshin spoke on utilization of artesian waters. N. A. Tsytovich recommended the organization of a specialized service for the problems of ground waters. The geographical problems in

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ACCESSION NR: AP5009498

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Central Asia were discussed at three interrelated geographic symposia held in Tashkent, Ashkhabad, and at Alma-Ata. The first dealt with the geographical aspects of irrigation in Central Asia; the second with the problems of desert conquest and the building of the Kara Kum canal; the third with the regulation of glacier melting in the mountains of Central Asia. Of special interest was the discussion of the future fate of the Aral Sea. Two opposite opinions were presented: V. L. Shul'ts stated that increased use of river waters for irrigation will cause a complete drying up of the sea. L. V. Dunin-Barkovskiy drew attention to the recent rise of the water level in the sea, explaining it by the peculiarities of water transpiration by different types of vegetation. F. F. Davitay however, explained the paradox by the water supply at the river sources at the Pamir-Altai and Tyan'-Shan' divide. The results of the three sessions were summarized by Academician I. P. Gerasimov. Academician A. L. Yanshin reported on the main session of the Earth Sciences Department in Alma-Ata. R. A. Borukayev, A. K. Kayupov, G. F. Lyapichev, and L. A. Miroshnichenko reported on the structural and metallogenic mapping of eastern Kazakhstan. G. B. Zhilinskiy discussed problems in theoretical and experimental mineralogy. A. K. Kayupov spoke on the relation of endogene metallogeny to the deep structure of the crust. I. P. Novokhatskiy reported on iron and manganese deposits in Kazakhstan. Zh. S. Sadykov made a quantitative evaluation of artesian waters in the artesian basins,

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eolian sands, and deltaic deposits of this region. M. I. Varentsov described oil prospects in southeastern Kazakhstan. This topic was discussed in greater detail in the paper by P. Ya. Avrov, M. I. Varentsov, V. I. Ditmar and A. B. Li. Geophysical research in Kazakhstan was described by A. T. Andreyev, M. D. Morozov, V. V. Prodava, and V. I. Gol'dshmit. The session on the problems of ore genesis was held in Frunze, and its results were reported by Academician D. I. Shcherbakov, F. N. Shakhov and A. I. Tugarinov discussed the application of new precise methods in geology. V. T. Surgay reported on his study of regional geochemistry in the accumulation and localization of mercury ore. M. N. Al'tgauzen criticized the paper of F. I. Vol'fson on the theory of formation and distribution of endogene ore deposits. V. I. Knauf and Ye. I. Zubtsov presented a structural map of northern Kirghiziya. A. D. Ronov spoke on the origin of ores in sedimentary and extrusive rocks of Tyan'-Shan'. A. U. Abdullayev formulated principal conditions for bauxite formation. G. I. Dayydov discussed the polymetallic region of Moldo-tau. A. Dzhumaliyev spoke on the structure of ores in Dzhergalan. Academician A. V. Peyve reported the results of the Dushanbe session at which Academician D. S. Korzhinskiy discussed post-magmatic processes. Yu. V. Riznichenko spoke on seismic activity and the energy of earthquakes. R. B. Baratov and S. A. Zakharov delineated the possible connection between geochemical processes and [illegible] Zakharov spoke on seismic phenomena. V. N. Gainkiy discussed problems

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ACCESSION NR: AP5009498

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related to the study of seismic processes. The session in Ashkhabad was reported by L. P. Zaitsev, candidate of physico-mathematical sciences. It started with the paper of M. A. Sadovskiy who described the problems of earthquake ...ecasting. K. K. Markrykov and A. A. Dzabayev presented new information on the deep structure of Western Turkmenistan. L. N. Smirnov described the general structural history of the Alpian-Himalayan mobile belt and the adjacent transition zone. I. M. Ovchinnikov reported to the Presidium the results of the Tashkent session at which V. V. Belousov presented the paper "Earth crust and the upper mantle of continents." A. S. Uklonskiy discussed the origin of natural sulfur. A. A. Malakhov described the metallogenic peculiarities and types of the Uzbek ores. N. D. Vol'fson, V. G. Garkovets, and A. G. Khvalovskiy analyzed the application of geochemical and geophysical methods to exploration. The Presidium of the Academy of Sciences SSSR approved the work of the Department of Earth Sciences, presented its resolutions, and expressed its gratitude to Academician A. P. Vinogradov, the secretary of the Department, and to the members of the organization committee.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: ES
NO REF SOV: 000 OTHER: 000

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDSAFIN, U.M., akademik; AVROV, P.Ya.; ZHAPARKHANOV, S.Zh., kand. geologo-mineral. nauk; LI, A.B., kand. geologo-mineral. nauk; TSIREL'SON, B.S.

Artesian waters of cretaceous deposits of the eastern Kysyl Kum and the Arys' Depression and the outlook for their use. Vest. AN Kazakh. SSR 21 no.6:38-46 Je '65. (MIRA 18:7)

1. Akademiya nauk Kazakhskoy SSR (for Akhmedsafin). 2. Chlen-korrespondent AN Kazakhskoy SSR (for Avrov).

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDSAFIN, U.M.

Formation of underground and artesian waters in Kazakhstan.
Trudy Inst. geol. nauk AN Kazakh. SSR no.14:3-25 '65.
(MIRA 19:1)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMEDYANOV, I. S.

"Designing Cylindrical Shells Reinforced by Bulkheads."

report presented at the 13th Scientific Technical Conference of the Kuybyshev Aviation Institute, March 1959.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100610018-4

AKHMED'YANOV, I.S.

Method for integrating equations of the bending of a spherical shell subjected to axisymmetric loading. Izv.vys.ucheb.zav.; av.tekh. 5 no.3:62-70 '62. (MIRA 15:9)
(Flexure) (Differential equations)

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L 6431-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWA(h)/EIC(m) WW/EM

ACC NR: AP5020635 SOURCE CODE: UR/0147/65/000/003/0046/0051

AUTHOR: Akhmed'yanov, I. S.

ORG: None

TITLE: The strain temperature of a thin spherical shell subjected to axisymmetric heating

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 3, 1965, 46-51

TOPIC TAGS: spheric shell structure, shell theory, thin shell structure, shell structure stability, strain, heat stress, stress distribution, temperature distribution

ABSTRACT: The problem of the strains and stresses in a symmetrically heated spherical shell has been examined elsewhere. E. Melan and G. Parkus (Termouprugiye napryazheniya, vyzyvayemyye stationarnymi temperaturnymi polyami. M., Fizmatgiz, 1958) reduced the resolution of this problem to the integration of a system of two heterogeneous equations with respect to Q (transverse force) and ϑ (deflection angle of the normal to the median surface). The question of the integration of the equations obtained, however, remained unresolved. V.N. Pastushikhin managed to obtain a solution to this problem by reducing the integration of one heterogeneous equation of the fourth order with respect to ϑ. The disadvantage of this method is the fact that in order to calculate the value of the right-hand side of the equation for ϑ it is necessary to perform triple differentiation of the function which defines the temperature distribution on the shell. In view of this, the present article presents a method of calculating the

UDC: 539.3+629.13.012.2

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symmetric temperature strains of a spherical shell, free of the disadvantage of Pastushikhin's method. The method proposed is based on the exact integration of the equation of the deflection of the spherical shell. The results of application of the method proposed to the calculation of the temperature stresses in a spherical shell closed at the top and rigidly clamped at the bottom are presented. A diagram (Fig. 1) shows the graphs of the variation of the stresses

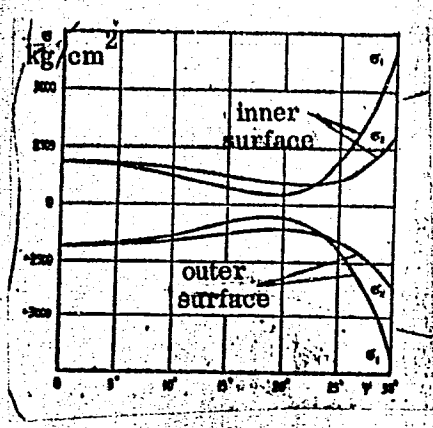

Fig. 1. Stress variations of spherical shells.

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